ABSTRACT

A serialized stream of state change requests are received over a network for a network device. The network device has a current state object representing a current state of the network device. A desired state object is modified with each of

5   the state change requests in the serialized stream. The desired state object represents a desired state for the network device. An instance of the desired state object is read at a particular instant in time. The instance of the desired state object is compared to the current state object. A set of tasks are determined to change the current state of the network device to the desired state based on the comparison.

EV 324060333 US   P15954
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